AMENDMENTS TO THE CLAIMS:

Please add new claims 17-19, and amend the claims as follows:

1. (Previously Presented) A group III-nitride-based compound semiconductor device, comprising:

a first p-layer and a second p-layer, the first p-layer and the second p-layer comprising an acceptor impurity; and

an intermediate layer provided between the first p-layer and the second p-layer, the intermediate layer contacting a surface of the first p-layer and a surface of the second p-layer, the intermediate layer comprising a donor impurity,

wherein the intermediate layer contacts an entirety of the surface of the second p-layer and comprises a conductivity such that it prevents an applied voltage from concentrating on a part of a p-electrode side.

2. (Previously Presented) The group III-nitride-based compound semiconductor device according to claim 1, wherein:

the intermediate layer comprises a concentration distribution of donor impurity corresponding to a concentration distribution of the acceptor impurity in the intermediate layer.

3. (Previously Presented) The group III-nitride-based compound semiconductor device according to claim 1, wherein:

the acceptor impurity comprises magnesium and the donor impurity comprises silicon.

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(Original) The group III-nitride-based compound semiconductor device according to

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claim 3, wherein:

the donor impurity of silicon has a concentration distribution substantially 1/10 that of

the acceptor impurity of magnesium.

5. (Previously Presented) The group III-nitride-based compound semiconductor device

according to claim 1, wherein:

the intermediate layer comprises a hole concentration equal to or less than 10¹⁷/cm³.

(Original) The group III-nitride-based compound semiconductor device according to 6.

claim 1, wherein:

the first p-layer includes a p-cladding layer made of p-type AlGaN doped with Mg, and

the second p-layer includes a p-contact layer made of p-type GaN doped with Mg.

7. (Previously Presented) A group III-nitride-based compound semiconductor device,

comprising:

a sapphire substrate;

an n-contact layer formed on the sapphire substrate;

an n-cladding layer formed on the n-contact layer;

a light emitting layer formed on the n-cladding layer;

a p-cladding layer and a p-contact layer, to each of which an acceptor impurity

is added;

an intermediate layer provided between the p-cladding layer and the p-contact layer,

the intermediate layer contacting a surface of the p-cladding layer and a surface of the p-

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contact layer;

a thin film p-electrode disposed on the p-contact layer;

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a thick film p-electrode disposed on the thin film p-electrode; and an n-electrode disposed on the n-contact layer,

wherein the intermediate layer contacts an entirety of the surface of the p-layer and comprises a conductivity such that it prevents an applied voltage from concentrating on a part of a p-electrode side.

8. (Original) The group III-nitride-based compound semiconductor device according to claim 7, wherein:

the light emitting layer includes a multiquantum well structure formed on the n-cladding layer by laminating multiple pairs of well layers of undoped InGaN and barrier layers of undoped GaN.

9. (Previously Presented) The group III-nitride-based compound semiconductor device according to claim 7, wherein:

the thin film p-electrode comprises a first layer of cobalt and a second layer of gold; the thick film p-electrode is formed by laminating a first layer of vanadium, a second layer of gold, and a third layer of aluminum in sequence, on the thin film p-electrode; and the n-electrode is formed by laminating a first layer of vanadium and a second layer of aluminum on a partly exposed portion of the n-contact layer.

10. (Original) The group III-nitride-based compound semiconductor device according to claim 7, further comprising:

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a reflective metal layer of aluminum formed on the lower surface of the sapphire substrate.

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11. (Previously Presented) A group III-nitride-based compound semiconductor device, comprising:

a first p-layer and a second p-layer, the first p-layer and the second p-layer comprising an acceptor impurity; and

a low-conductivity layer provided between the first p-layer and the second p-layer, the low-conductivity layer contacting a surface of the first p- layer and a surface of the second p-layer, the low-conductivity layer comprising a donor impurity in a first concentration and the acceptor impurity in a second concentration,

wherein the low-conductivity layer contacts an entirety of the surface of the second player and comprises a conductivity such that it prevents an applied voltage from concentrating on a part of a p-electrode side.

12. (Previously Presented) The group III-nitride-based compound semiconductor device according to claim 11, wherein:

the low-conductivity layer has a thickness of about 100 nm or less.

13. (Previously Presented) The group III-nitride-based compound semiconductor device according to claim 11, wherein:

the concentration of the donor impurity in the low-conductivity layer in a thickness direction is substantially 1/10 of the concentration of acceptor impurity.

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14. (Previously Presented) The group III-nitride-based compound semiconductor device according to claim 11, wherein:

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an activation rate of an amount of the donor impurity is substantially equal to the activation rate of an amount of the acceptor impurity.

- 15. (Previously Presented) The group III-nitride-based compound semiconductor device according to claim 1, wherein said first p-layer comprises Al_{0.15}Ga_{0.85}N.
- 16. (Previously Presented) The group III-nitride-based compound semiconductor device according to claim 1, wherein said intermediate layer has a donor impurity concentration distribution of 2x10¹⁸/cm³ to 3x10¹⁷/cm³.
- 17. (New) The group III-nitride-based compound semiconductor device according to claim 1, wherein:
- (New) The group III-nitride-based compound semiconductor device according to claim 18. 7, wherein:

said intermediate layer allows current flow at an entire region thereof.

said intermediate layer allows current flow at an entire region thereof.

(New) The group III-nitride-based compound semiconductor device according to claim 19. 11, wherein:

said low-conductivity layer allows current flow at an entire region thereof.